

TGGCTGAATT AAAAGTGGG AAATGAANTT GAAAGAATCC GCTTCTCCA CTGCTATAAA	600
5 ANAAGAATTG ACAGGGTTT CATTGATCAC CTTTGTCTT GAAAAGGTGT GGGGAAAAAC	660
TGGAAGAATG ATATTTGGTC CTGTCCNNG ACTGATTNA AACACCACCA TAAAATTACC	720
10 TTTTGTNCN GCNNCTTGG ACCNCCNG GATCTNGATN TTANCACCCC CAANTCTTAT	780
CCTGGAACTT TTGGGNAAA NTTGTNTTT GTT	813

## (2) INFORMATION FOR SEQ ID NO: 43:

15 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 805 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

20 (ii) MOLECULE TYPE: cDNA

25 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D66

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

30 GGCACGAGAA GAGATAGCTG AAGTGACG TG AGTGGACAAT TCTCAATGGC TGCTGTAACA	60
AAGTCACAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCGGAG	120
35 CCAAGGACCT TCCCTAACAG AAGGGTTCTA CACTTGAGGA ACCANACAC CGCTTACGAA	180
GGATTGANAT CTCGAAATGT GGTTGATTG ATTCAAGATGC CGTCTAATGC CAAGGGTATT	240
40 TCAAGGAAAA CTGTGAGGGG AACTCACRAT CCTAGTCGTA NACCTGGC TGTTGTCATT	300
TGTGGAAAAG GGATGAACAT AGTCTTGTG TGCGCTGAGA TGGCTCCCTG GANTAAAACC	360
GGAGGACTCG GTGATGTTCT TGAGGACTG CCACCGGCCA TGGCTGCAA TGGACACACA	420
45 GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGATAC AAATGTCCTG	480
GCTGANTAA AANTGGAAA TGAATTGAA AAGANTCCG TTCTTCCACT GCTATAAAAN	540
AAGAATTGAC AGGGTTTCA TTGATCATC TTGTTTCTT GAAAAGTG GGGGAAAAC	600
50 TGGGAAGAAT GATATNTGGT CCTGTCCNG GAACTGATTA TAAACACCA GCTAANATTAA	660
CCTTTGTTG CGAGCAACTT TGGAAACCCN AGGATTCTGG ATNTTACAAC ACNAATACTA	720
55 TTCTGGAACA TTGGGGAAA AATTGTTTT GTTNCNAATG ANTGCNCAC TGGTCCNTC	780
CCTNCCTACT TAAAAAANTTT TTTC	805

## (2) INFORMATION FOR SEQ ID NO: 44:

60 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 790 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

65 (ii) MOLECULE TYPE: cDNA

70 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D111

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

5	GGCACGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAAACA	60
	AAGTCACAAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCTGAG	120
10	CCAAGGACCT TCCTAAACAG AAGGGTTCTA CACTTGAGGA ACCAAACAC CGCTTACGAA	180
	GGATTGAGAT CTCGAAATGT GGTTGATTG ATTCAAGATGC CGCTCTAATGC CAAGGTGATT	240
15	TCGAGGGAAA CTGTGAGGGG AACTCAGAAAT CCTAGTCGTA GACCTTGGGC TGTTGTCATT	300
	TGTGGAAAAG GGATGAACAT AGTCTTTGTC GGCCTGCTGANA TGGCTCCCTG GAGTAAAACC	360
20	GGAGGACTCG TGATGTTCT TGAGGAGACTG CCACCCGCCA TGGCTGCAA TGGACACAGA	420
	GTGATGACTA TAGTCTCACG CTATGATCAG TACAAAGATG GGTGGGATAC AAATGTCCTG	480
25	GCTGAGTTAA AAGTTGGAAA TGAAATTGAA AGANTCCGCT TCTTCCACTG CTATAAAAAGA	540
	AGANNTGACA GGGTTTTCAT TGATCATCCT TTGTTCTTGTG ANAAGGTGTC GGGAAAAACT	600
30	GGAAGAACATGA TATATGGTC CTGTCNCAGG AACNGATTAT GAANACAAACC AGCTAAGATT	660
	AACCTTTGTG TGCCAGCACT TTGGGAACCN CAAGGATCCT GGATCTTAAAC AACNCAANTC	720
35	TATTCTGGAC CATATGGGG ACAAATTGTT TGTTGCAAAT GATGGCACCT GGTCCNNTCC	780
	ATGCTACTTA	790

## (2) INFORMATION FOR SEQ ID NO: 45:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 813 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D112

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

50	TTTTTTTTT TTTTTTTTG GAGCATAATA GCAATTATT CAGGAGGATC AAACCTCAAAC	60
	ACTATAACAT AGACAGTAGT CACTTTCAAGG GAGTGGCCAC ATTTTCTTT GCAAGAGGGAG	120
55	CTATTTCATC AGCATCGATG CGCGCTTCAC TACCAAGCAGC TCCTAAGCTT AGGAAAATT	180
	GCTCCCACTT CTTAGCAGGT CCCTTCCAGG AGAGGTCTTG AGTCATGCAG TTCTGTATCA	240
60	TCTCAGCAA TGCAGGTGTG CGCTAAACTT TAAGGGCCCT TTTCACTGTC TGAATGACTT	300
	TTTGATACATC ATCTTTATCG ACAACATCAC ATCAGGATT GAAGGGACCC ATATGAAAACC	360
65	CTGTGATGCC TTCTATGACA GTGTCAGCAA GTCCACCAAG TGTGGCCAC ATGGGGGGAA	420
	TTCCATATCG CATGCCCTGA AAGCTGGATA AGGCCCAAG GTTCGAATCT GCTGGTAAGA	480
70	NCAAGAAGAT CTGCTCCAGC CATGATTTCAGA TGANCCAAG GTGCATTAAA CTTCATATGT	540
	GCTCTCACTT TATTGGGAAA CATATCTCA AGTTGTGCAA GCTGACGCTC CAACANCCTTC	600
75	TCCCCATACC AAGCACTATC ACTTGAACAT TTTCAAT GAATTCAAGG ATAACACTGNG	660

CGAAAATATC CGAACCTTTC TGCTCTCTAA TCTCCCTATA AAGNTATAA CAGGGATTTC 720  
5 CNGTCAACAG GTTAACCAAA TTCAACTTGT TAGGNTTCCC TTAATCCAA GGTTTGACCC 780  
CNNCCCATTT GTTGCTCNATA ATTGANAAAA ATT 813

## (2) INFORMATION FOR SEQ ID NO: 46:

10 (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 808 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: unknown

15 (ii) MOLECULE TYPE: cDNA

20 (vii) IMMEDIATE SOURCE:  
(B) CLONE: U-D39

## 25 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGCACGAGCG AGTTTTTTT TTTTTTTTT GCTGTGATGA TATTATGGAT CTTATTAGTT 60  
GGTTGCACCA CTTCTATTAC ATCACTCAAC AGTATTAGCC CAAGANAAGG CTAATACCTT 120  
30 CNCATCACTC TTGACATCTT ATTTGTATTG TAGGANACTA GTATATATAT CTATATGCGT 180  
GGTTGCCTGC ACNAGGGCGG CTTATTAGTG CGCTCAGTGA TCTCAAGGGC AGRANACAC 240  
CCTGTANTG GTGCCGCCGG GCAGGGTAA GGTGCTCTC TGATCGTCTT TGGGATANCT 300  
35 GTAGGCGTCG GGGCAGGTT TCCTGAANAA CCGGGAGTAT TCGGTGGGC TGCAAGCTGCC 360  
GGAGTTGCAA CAGTACTGGT CCGTCTTGA CACGGTGCAG GGGTTGTTGC ANCCGCCCGG 420  
40 CGCCTTCANC GCCCCGGGGC ACTGCCCCTT GATNTCCGCC GCGCACCGGA TGCCGGGCA 480  
NCCGCTGAC NTGGGGCTNA ATCCCATTGG CACGGTGAAC CGCTCNACCA AGGGAAATT 540  
55 CAAAAAAATCC AAGTTGTTGA ACTGGTTGAA CGCCRACTCC NCCAGGGTNT TGGGCGGGTT 600  
GCCNTACCCC GTGCATNACA ACACCCGCC GCANTCCCT TCTGGCACCG CGCNCNTCCGC 660  
TCCCTCTAAA AGAACACCCG TGCGGCCCAA AATCCGGNCC CCCGGTGGTT CCCCTTTCN 720  
50 CTTTAANGGT CCCCAATGCC CCTGNTTTAA CTGNCTCCCC CCCANGCNCG GCCCCGGCCC 780  
ACNCTTTNTT AAAACATCNG TNCCNAAT 808

## (2) INFORMATION FOR SEQ ID NO: 47:

55 (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 809 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: unknown

60 (ii) MOLECULE TYPE: cDNA

65 (vii) IMMEDIATE SOURCE:  
(B) CLONE: U-D50

70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47: